JP2007-041801

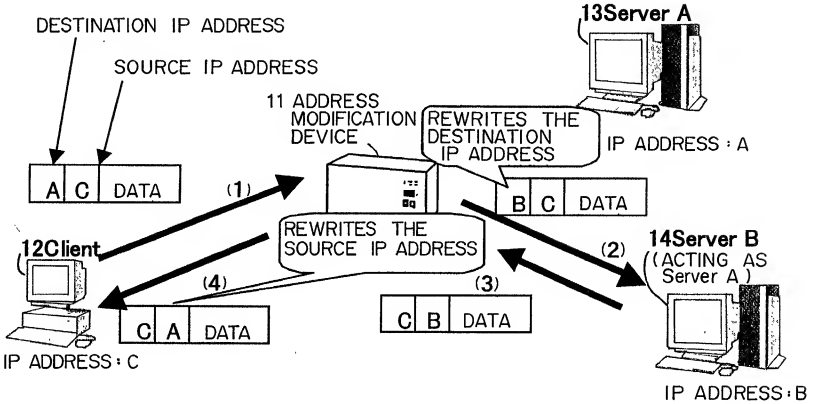

FIG. 1

20070 MACHINE

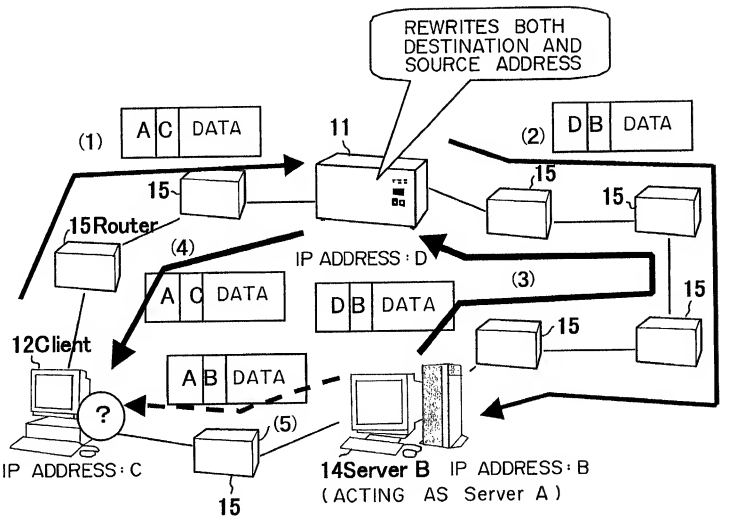

FIG. 2

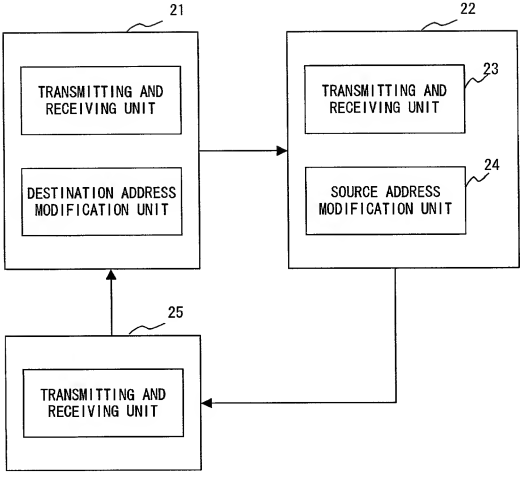
21
22
TRANSMITTING AND RECEIVING UNIT
23
TRANSMITTING AND RECEIVING UNIT
DESTINATION ADDRESS MODIFICATION UNIT
24
SOURCE ADDRESS MODIFICATION UNIT
25
TRANSMITTING AND RECEIVING UNIT

FIG. 3

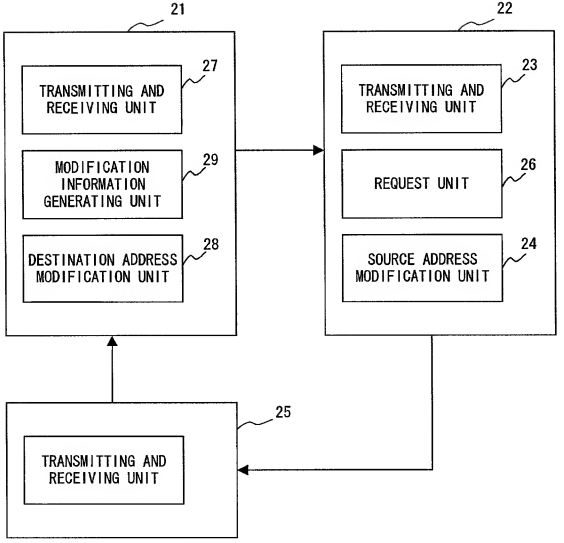
21
22
TRANSMITTING AND RECEIVING UNIT
27
MODIFICATION INFORMATION GENERATING UNIT
29
DESTINATION ADDRESS MODIFICATION UNIT
28
TRANSMITTING AND RECEIVING UNIT
23
REQUEST UNIT
26
SOURCE ADDRESS MODIFICATION UNIT
24
25
TRANSMITTING AND RECEIVING UNIT

FIG. 4

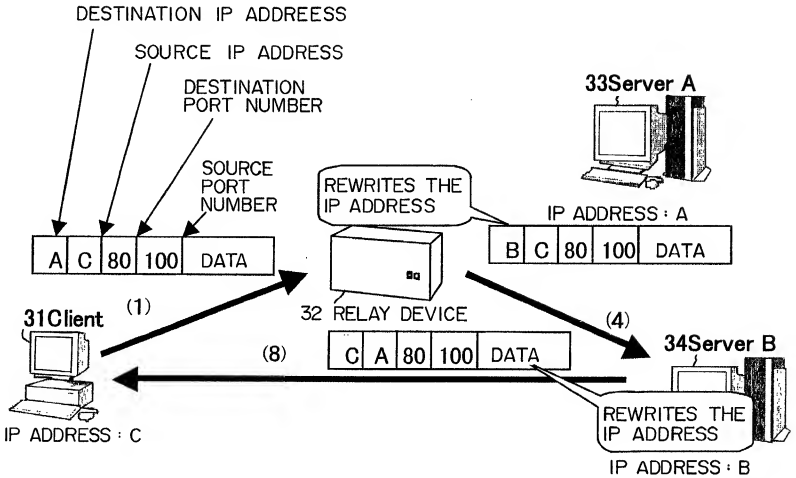
DESTINATION IP ADDREESS
SOURCE IP ADDRESS
DESTINATION PORT NUMBER
SOURCE PORT NUMBER
A C 80 100 DATA
33Server A
REWRITES THE IP ADDRESS
IP ADDRESS : A
B C 80 100 DATA
31Client
(1)
32 RELAY DEVICE
(4)
(8)
C A 80 100 DATA
34Server B
REWRITES THE IP ADDRESS
IP ADDRESS : C
IP ADDRESS : B

FIG. 5

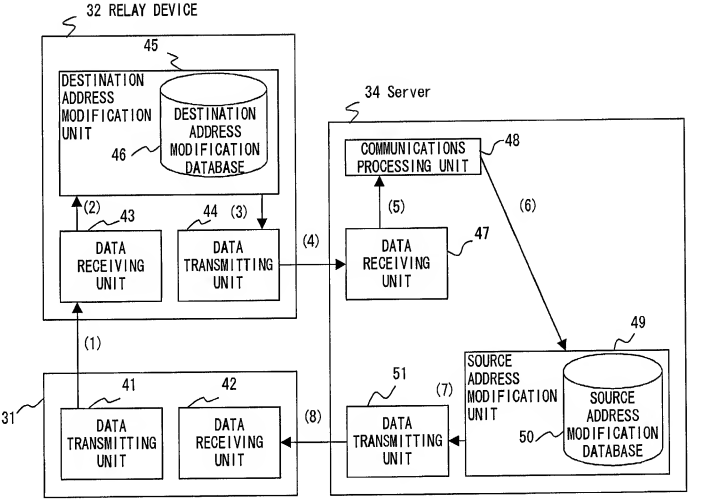
32 RELAY DEVICE
45
DESTINATION ADDRESS MODIFICATION UNIT
DESTINATION ADDRESS MODIFICATION DATABASE
46
(2)
43
44
(3)
DATA RECEIVING UNIT
DATA TRANSMITTING UNIT
(4)
(1)
31
41
42
DATA TRANSMITTING UNIT
DATA RECEIVING UNIT
(8)
34 Server
COMMUNICATIONS PROCESSING UNIT
48
(5)
(6)
DATA RECEIVING UNIT
47
49
51
(7)
SOURCE ADDRESS MODIFICATION UNIT
SOURCE ADDRESS MODIFICATION DATABASE
50
DATA TRANSMITTING UNIT

FIG. 6

DESTINATION ADDRESS MODIFICATION DATABASE 46

	DESTINATION ADDRESS BEFORE MODIFICATION	DESTINATION ADDRESS AFTER MODIFICATION
IP ADDRESS	A	B

FIG. 7A

SOURCE ADDRESS MODIFICATION DATABASE 50

	SOURCE ADDRESS BEFORE MODIFICATION	SOURCE ADDRESS AFTER MODIFICATION
IP ADDRESS	B	A

FIG. 7B

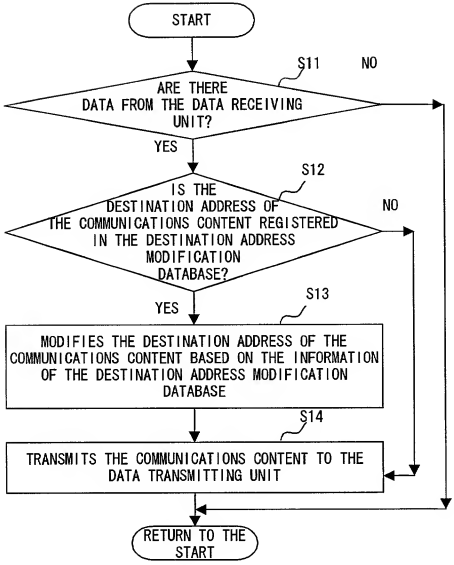
START
S11
NO
ARE THERE DATA FROM THE DATA RECEIVING UNIT?
YES
S12
IS THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE DESTINATION ADDRESS MODIFICATION DATABASE?
NO
YES
S13
MODIFIES THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE DESTINATION ADDRESS MODIFICATION DATABASE
S14
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 8

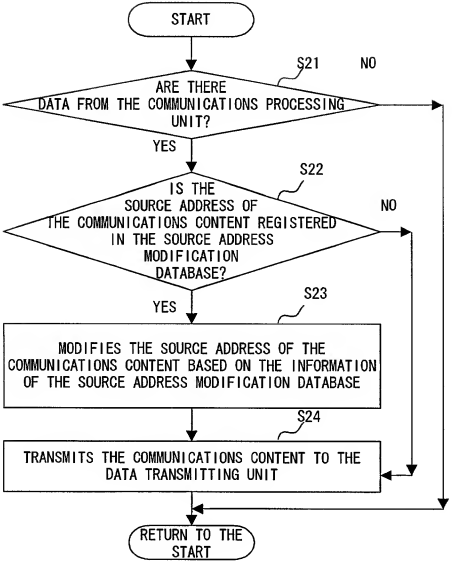
START
S21
NO
ARE THERE DATA FROM THE COMMUNICATIONS PROCESSING UNIT?
YES
S22
IS THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE SOURCE ADDRESS MODIFICATION DATABASE?
NO
YES
S23
MODIFIES THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE SOURCE ADDRESS MODIFICATION DATABASE
S24
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 9

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
A	C	80	100	ANYTHING

FIG. 10A

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
B	C	80	100	ANYTHING

FIG. 10B

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	B	100	80	ANYTHING

FIG. 10C

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	A	100	80	ANYTHING

FIG. 10D

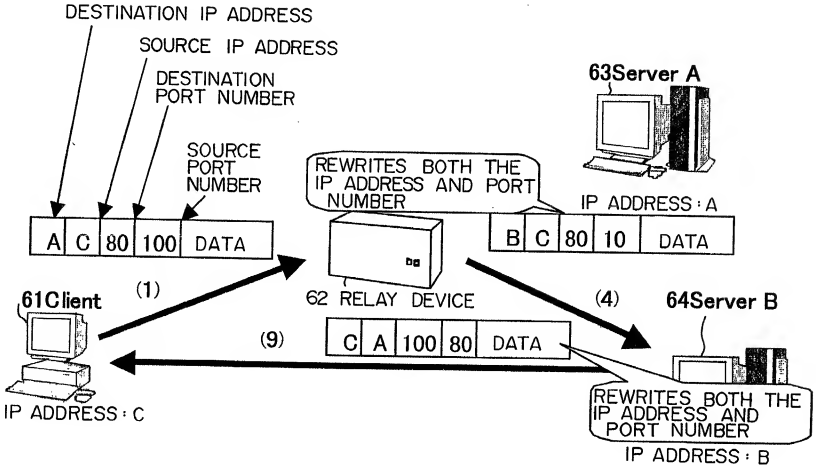
DESTINATION IP ADDRESS
SOURCE IP ADDRESS
DESTINATION PORT NUMBER
SOURCE PORT NUMBER
A C 80 100 DATA
63Server A
REWRITES BOTH THE IP ADDRESS AND PORT NUMBER
IP ADDRESS : A
B C 80 10 DATA
61Client
(1)
62 RELAY DEVICE
(4)
64Server B
(9)
C A 100 80 DATA
REWRITES BOTH THE IP ADDRESS AND PORT NUMBER
IP ADDRESS : C
IP ADDRESS : B

FIG. 11

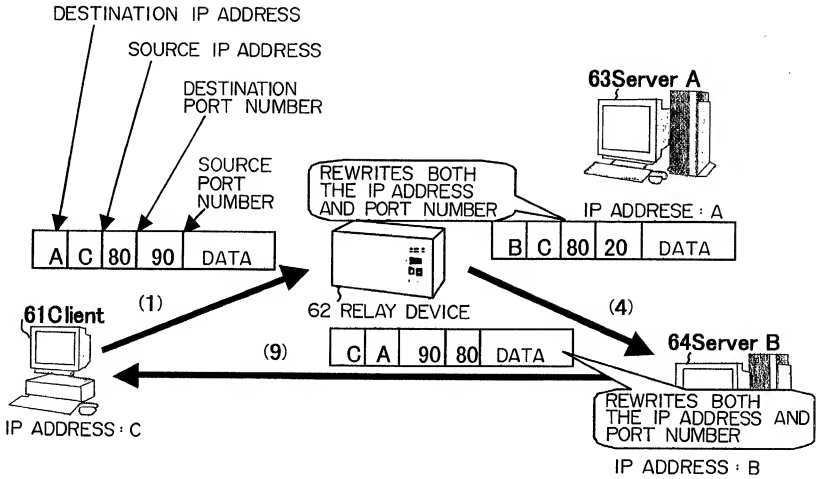
DESTINATION IP ADDRESS
SOURCE IP ADDRESS
DESTINATION PORT NUMBER
SOURCE PORT NUMBER
A C 80 90 DATA
63Server A
REWRITES BOTH THE IP ADDRESS AND PORT NUMBER
IP ADDRESE : A
B C 80 20 DATA
61Client
(1)
62 RELAY DEVICE
(4)
(9)
C A 90 80 DATA
64Server B
REWRITES BOTH THE IP ADDRESS AND PORT NUMBER
IP ADDRESS : C
IP ADDRESS : B

FIG. 12

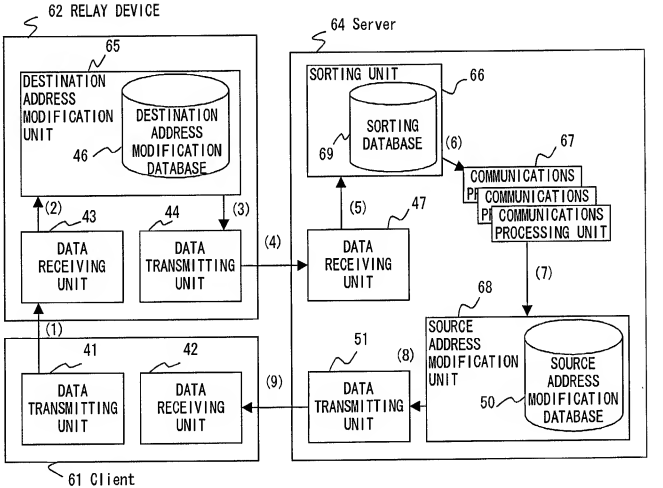
62 RELAY DEVICE
65
DESTINATION ADDRESS MODIFICATION UNIT
DESTINATION ADDRESS MODIFICATION DATABASE
46
(2)
43
44
(3)
DATA RECEIVING UNIT
DATA TRANSMITTING UNIT
(1)
41
42
DATA TRANSMITTING UNIT
DATA RECEIVING UNIT
61 Client
64 Server
SORTING UNIT
66
SORTING DATABASE
69
(6)
67
COMMUNICATIONS PROCESSING UNIT
(5)
47
(4)
DATA RECEIVING UNIT
(7)
68
SOURCE ADDRESS MODIFICATION UNIT
SOURCE ADDRESS MODIFICATION DATABASE
50
51
(8)
(9)
DATA TRANSMITTING UNIT

FIG. 13

DESTINATION ADDRESS MODIFICATION DATABASE 46

	DESTINATION ADDRESS BEFORE MODIFICATION	DESTINATION ADDRESS AFTER MODIFICATION
IP ADDRESS	A	B
SOURCE PORT NUMBER	100	10
DESTINATION PORT NUMBER	90	20

FIG. 14A

SOURCE ADDRESS MODIFICATION DATABASE 50

	SOURCE ADDRESS BEFORE MODIFICATION	SOURCE ADDRESS AFTER MODIFICATION
IP ADDRESS	B	A
DESTINATION PORT NUMBER	10	100
SOURCE PORT NUMBER	20	90

FIG. 14B

SORTING DATABASE

SOURCE PORT NUMBER	COMMUNICATIONS PROCESS INTERNAL PORT NUMBER
10	1000
20	2000

FIG. 14C

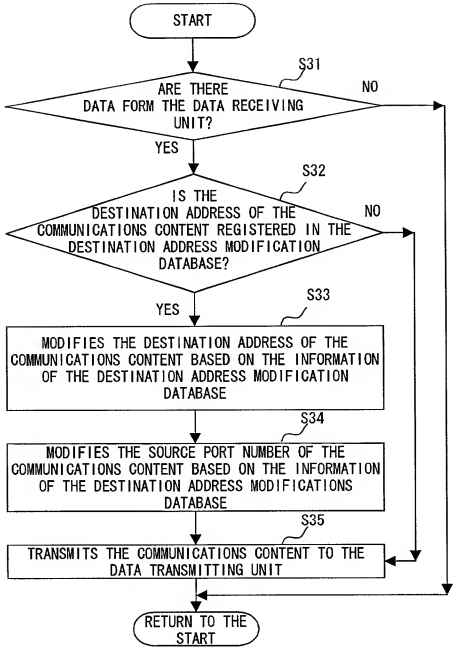
START
S31
ARE THERE DATA FORM THE DATA RECEIVING UNIT?
NO
YES
S32
IS THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE DESTINATION ADDRESS MODIFICATION DATABASE?
NO
YES
S33
MODIFIES THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE DESTINATION ADDRESS MODIFICATION DATABASE
S34
MODIFIES THE SOURCE PORT NUMBER OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE DESTINATION ADDRESS MODIFICATIONS DATABASE
S35
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 15

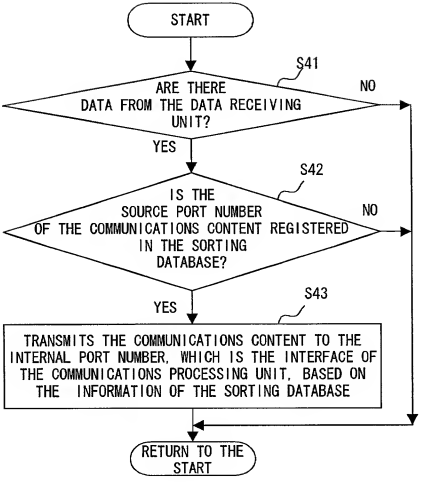
START
S41
ARE THERE DATA FROM THE DATA RECEIVING UNIT?
NO
YES
S42
IS THE SOURCE PORT NUMBER OF THE COMMUNICATIONS CONTENT REGISTERED IN THE SORTING DATABASE?
NO
YES
S43
TRANSMITS THE COMMUNICATIONS CONTENT TO THE INTERNAL PORT NUMBER, WHICH IS THE INTERFACE OF THE COMMUNICATIONS PROCESSING UNIT, BASED ON THE INFORMATION OF THE SORTING DATABASE
RETURN TO THE START

FIG. 16

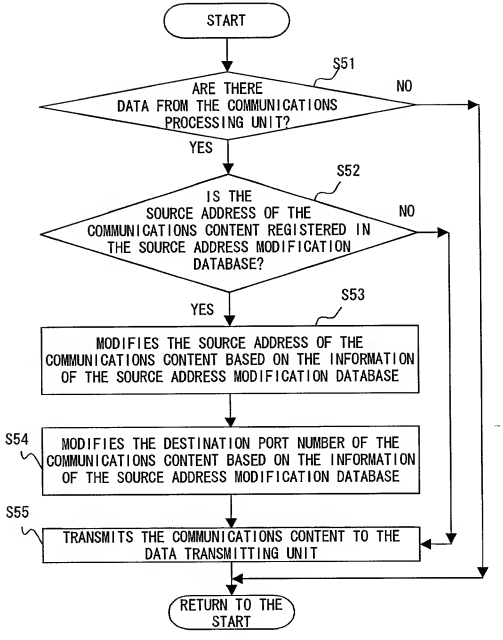
START
S51
ARE THERE DATA FROM THE COMMUNICATIONS PROCESSING UNIT?
NO
YES
S52
IS THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE SOURCE ADDRESS MODIFICATION DATABASE?
NO
YES
S53
MODIFIES THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE SOURCE ADDRESS MODIFICATION DATABASE
S54
MODIFIES THE DESTINATION PORT NUMBER OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE SOURCE ADDRESS MODIFICATION DATABASE
S55
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 17

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
A	C	80	100	ANYTHING

FIG. 18A

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
B	C	80	10	ANYTHING

FIG. 18B

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	B	10	80	ANYTHING

FIG. 18C

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	A	100	80	ANYTHING

FIG. 18D

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
A	C	80	90	ANYTHING

FIG. 19A

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
B	C	80	20	ANYTHING

FIG. 19B

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	B	20	80	ANYTHING

FIG. 19C

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	A	90	80	ANYTHING

FIG. 19D

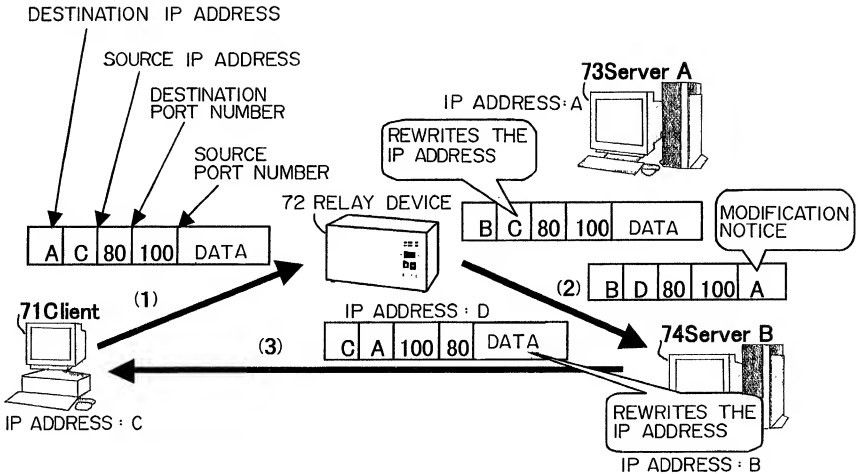
DESTINATION IP ADDRESS
SOURCE IP ADDRESS
DESTINATION PORT NUMBER
SOURCE PORT NUMBER
A C 80 100 DATA
72 RELAY DEVICE
73Server A
IP ADDRESS : A
REWRITES THE IP ADDRESS
B C 80 100 DATA
MODIFICATION NOTICE
(2)
B D 80 100 A
71Client
(1)
IP ADDRESS : D
(3)
C A 100 80 DATA
74Server B
REWRITES THE IP ADDRESS
IP ADDRESS : C
IP ADDRESS : B

FIG. 20

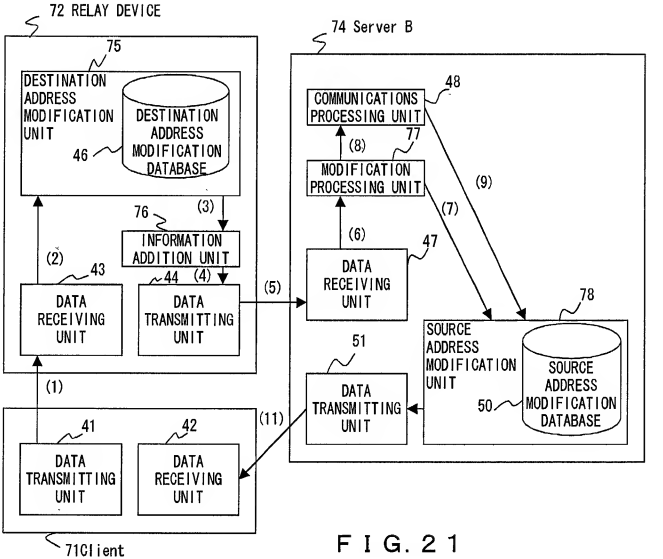
72 RELAY DEVICE
75
DESTINATION ADDRESS MODIFICATION UNIT
DESTINATION ADDRESS MODIFICATION DATABASE
46
76
(3)
INFORMATION ADDITION UNIT
(2)
43
44
(4)
DATA RECEIVING UNIT
DATA TRANSMITTING UNIT
(5)
(1)
41
42
(11)
DATA TRANSMITTING UNIT
DATA RECEIVING UNIT
71Client
74 Server B
48
COMMUNICATIONS PROCESSING UNIT
(8)
77
MODIFICATION PROCESSING UNIT
(9)
(7)
(6)
47
DATA RECEIVING UNIT
78
SOURCE ADDRESS MODIFICATION UNIT
SOURCE ADDRESS MODIFICATION DATABASE
50
51
DATA TRANSMITTING UNIT

FIG. 21

DESTINATION ADDRESS MODIFICATION DATABASE 46

	DESTINATION ADDRESS BEFORE MODIFICATION	DESTINATION ADDRESS AFTER MODIFICATION
IP ADDRESS	A	B

FIG. 22A

SOURCE ADDRESS MODIFICATION DATABASE 50

	SOURCE ADDRESS BEFORE MODIFICATION	SOURCE ADDRESS AFTER MODIFICATION
IP ADDRESS	B	

FIG. 22B

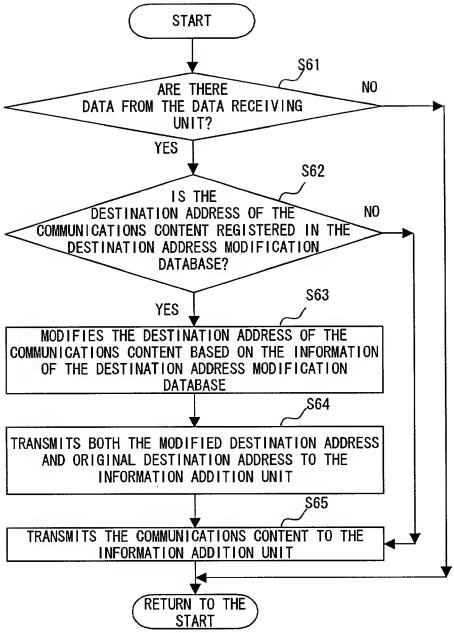
START
S61
ARE THERE DATA FROM THE DATA RECEIVING UNIT?
NO
YES
S62
IS THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE DESTINATION ADDRESS MODIFICATION DATABASE?
NO
YES
S63
MODIFIES THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE DESTINATION ADDRESS MODIFICATION DATABASE
S64
TRANSMITS BOTH THE MODIFIED DESTINATION ADDRESS AND ORIGINAL DESTINATION ADDRESS TO THE INFORMATION ADDITION UNIT
S65
TRANSMITS THE COMMUNICATIONS CONTENT TO THE INFORMATION ADDITION UNIT
RETURN TO THE START

FIG. 23

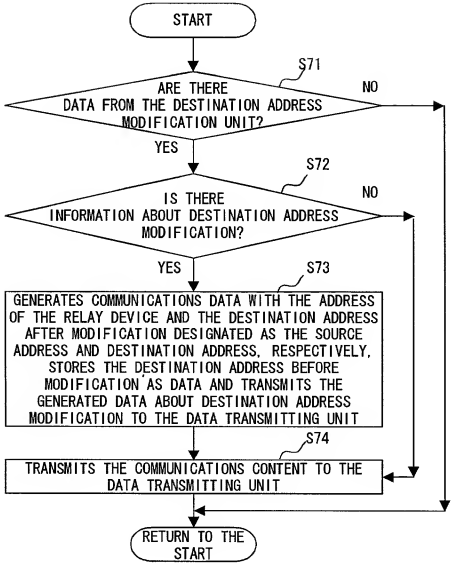
START
S71
ARE THERE DATA FROM THE DESTINATION ADDRESS MODIFICATION UNIT?
NO
YES
S72
IS THERE INFORMATION ABOUT DESTINATION ADDRESS MODIFICATION?
NO
YES
S73
GENERATES COMMUNICATIONS DATA WITH THE ADDRESS OF THE RELAY DEVICE AND THE DESTINATION ADDRESS AFTER MODIFICATION DESIGNATED AS THE SOURCE ADDRESS AND DESTINATION ADDRESS, RESPECTIVELY, STORES THE DESTINATION ADDRESS BEFORE MODIFICATION AS DATA AND TRANSMITS THE GENERATED DATA ABOUT DESTINATION ADDRESS MODIFICATION TO THE DATA TRANSMITTING UNIT
S74
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 24

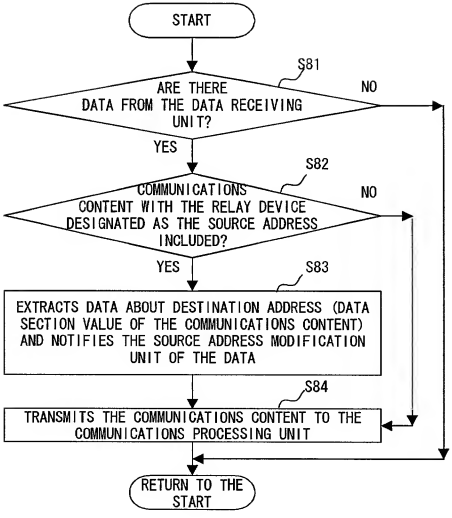
START
S81
ARE THERE DATA FROM THE DATA RECEIVING UNIT?
NO
YES
S82
COMMUNICATIONS CONTENT WITH THE RELAY DEVICE DESIGNATED AS THE SOURCE ADDRESS INCLUDED?
NO
YES
S83
EXTRACTS DATA ABOUT DESTINATION ADDRESS (DATA SECTION VALUE OF THE COMMUNICATIONS CONTENT) AND NOTIFIES THE SOURCE ADDRESS MODIFICATION UNIT OF THE DATA
S84
TRANSMITS THE COMMUNICATIONS CONTENT TO THE COMMUNICATIONS PROCESSING UNIT
RETURN TO THE START

FIG. 25

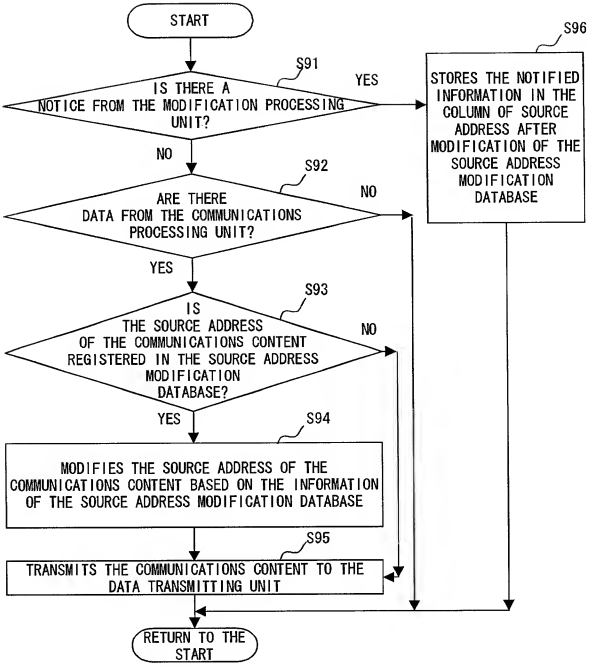
START
S91
IS THERE A NOTICE FROM THE MODIFICATION PROCESSING UNIT?
YES
NO
S92
ARE THERE DATA FROM THE COMMUNICATIONS PROCESSING UNIT?
NO
YES
S93
IS THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE SOURCE ADDRESS MODIFICATION DATABASE?
NO
YES
S94
MODIFIES THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE SOURCE ADDRESS MODIFICATION DATABASE
S95
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
S96
STORES THE NOTIFIED INFORMATION IN THE COLUMN OF SOURCE ADDRESS AFTER MODIFICATION OF THE SOURCE ADDRESS MODIFICATION DATABASE
RETURN TO THE START

FIG. 26

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
A	C	80	100	ANYTHING

FIG. 27A

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
B	D	80	100	A

FIG. 27B

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
B	C	80	100	ANYTHING

FIG. 27C

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	B	100	80	ANYTHING

FIG. 27D

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	A	100	80	ANYTHING

FIG. 27E

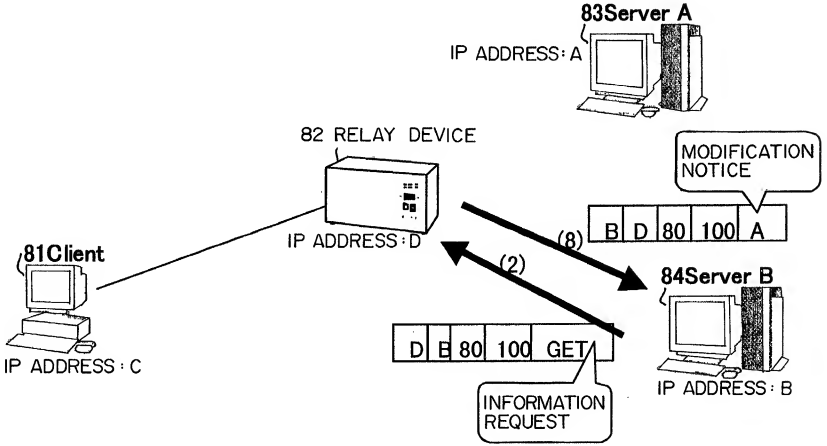
83Server A
IP ADDRESS : A
82 RELAY DEVICE
IP ADDRESS : D
MODIFICATION NOTICE
B D 80 100 A
(8)
(2)
81Client
IP ADDRESS : C
84Server B
IP ADDRESS : B
D B 80 100 GET
INFORMATION REQUEST

FIG. 28

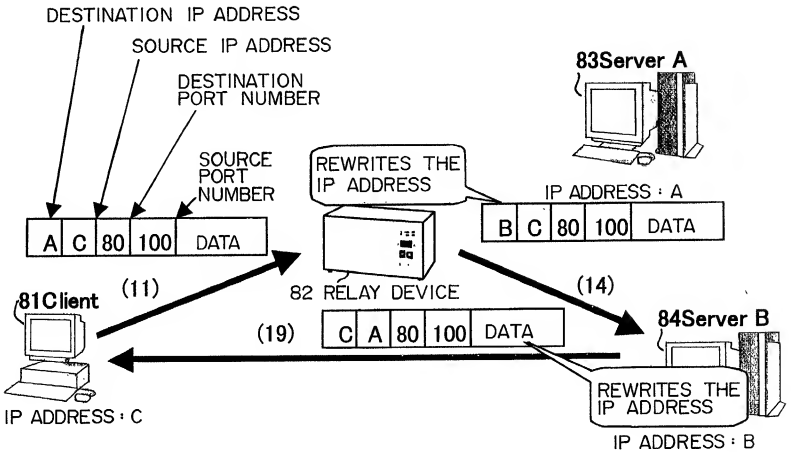
DESTINATION IP ADDRESS
SOURCE IP ADDRESS
DESTINATION PORT NUMBER
SOURCE PORT NUMBER
A C 80 100 DATA
81Client
IP ADDRESS : C
(11)
82 RELAY DEVICE
REWRITES THE IP ADDRESS
C A 80 100 DATA
(19)
83Server A
IP ADDRESS : A
B C 80 100 DATA
(14)
84Server B
REWRITES THE IP ADDRESS
IP ADDRESS : B

FIG. 29

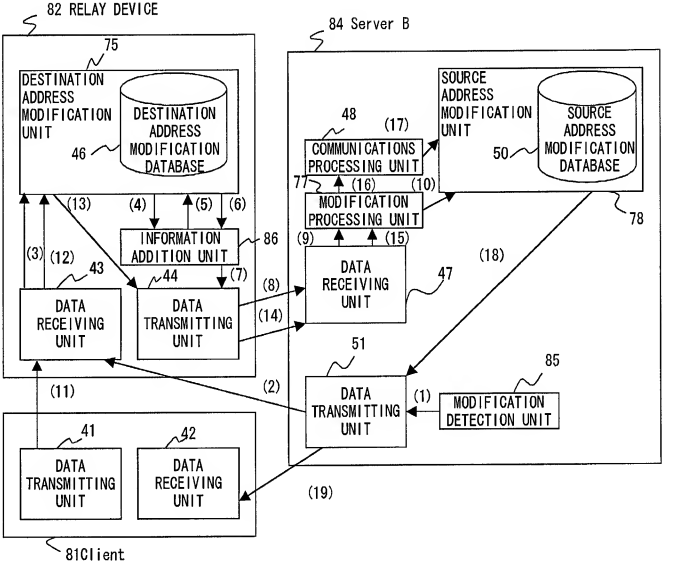
82 RELAY DEVICE
84 Server B
75
DESTINATION ADDRESS MODIFICATION UNIT
DESTINATION ADDRESS MODIFICATION DATABASE
46
SOURCE ADDRESS MODIFICATION UNIT
SOURCE ADDRESS MODIFICATION DATABASE
50
48
(17)
COMMUNICATIONS PROCESSING UNIT
77
(16)
(10)
MODIFICATION PROCESSING UNIT
78
(13)
(4)
(5)
(6)
INFORMATION ADDITION UNIT
86
(9)
(15)
(3)
(12)
43
44
(7)
DATA RECEIVING UNIT
DATA TRANSMITTING UNIT
(8)
(14)
DATA RECEIVING UNIT
47
(18)
51
85
(11)
(2)
DATA TRANSMITTING UNIT
(1)
MODIFICATION DETECTION UNIT
41
42
DATA TRANSMITTING UNIT
DATA RECEIVING UNIT
(19)
81Client

FIG. 30

DESTINATION ADDRESS MODIFICATION DATABASE 46

	DESTINATION ADDRESS BEFORE MODIFICATION	DESTINATION ADDRESS AFTER MODIFICATION
IP ADDRESS	A	B

FIG. 31A

SOURCE ADDRESS MODIFICATION DATABASE 50

	SOURCE ADDRESS BEFORE MODIFICATION	SOURCE ADDRESS AFTER MODIFICATION
IP ADDRESS	B	

FIG. 31B

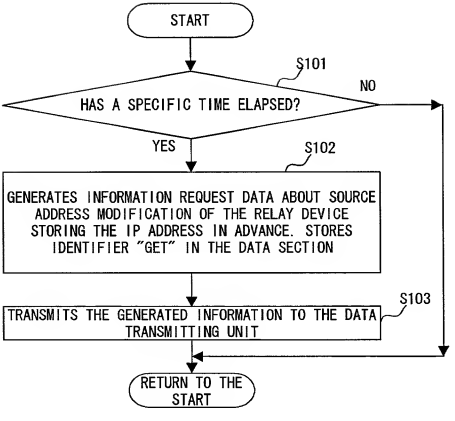
START
S101
HAS A SPECIFIC TIME ELAPSED?
NO
YES
S102
GENERATES INFORMATION REQUEST DATA ABOUT SOURCE ADDRESS MODIFICATION OF THE RELAY DEVICE STORING THE IP ADDRESS IN ADVANCE. STORES IDENTIFIER "GET" IN THE DATA SECTION
S103
TRANSMITS THE GENERATED INFORMATION TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 32

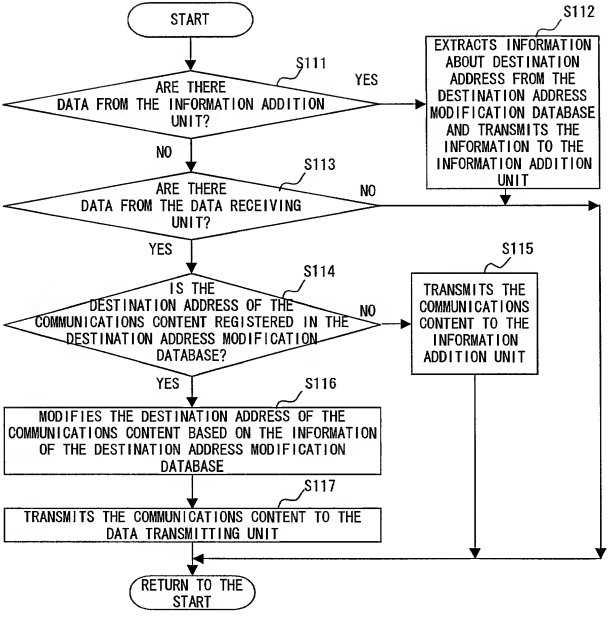
START
S111
ARE THERE DATA FROM THE INFORMATION ADDITION UNIT?
YES
NO
S112
EXTRACTS INFORMATION ABOUT DESTINATION ADDRESS FROM THE DESTINATION ADDRESS MODIFICATION DATABASE AND TRANSMITS THE INFORMATION TO THE INFORMATION ADDITION UNIT
S113
ARE THERE DATA FROM THE DATA RECEIVING UNIT?
NO
YES
S114
IS THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE DESTINATION ADDRESS MODIFICATION DATABASE?
NO
S115
TRANSMITS THE COMMUNICATIONS CONTENT TO THE INFORMATION ADDITION UNIT
YES
S116
MODIFIES THE DESTINATION ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE DESTINATION ADDRESS MODIFICATION DATABASE
S117
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 33

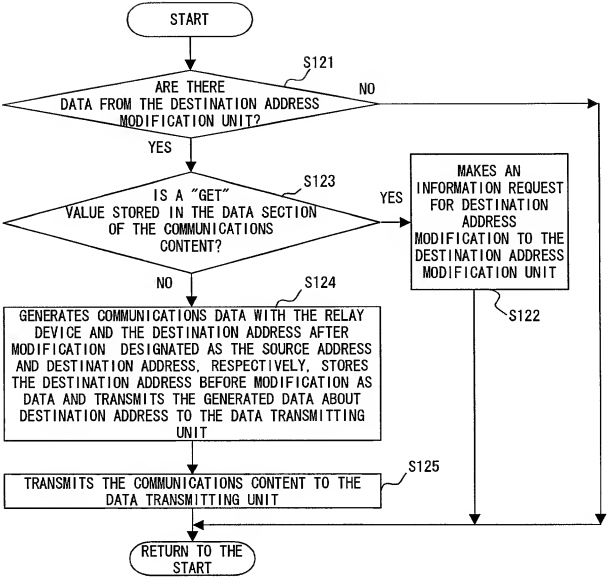
START
S121
ARE THERE DATA FROM THE DESTINATION ADDRESS MODIFICATION UNIT?
NO
YES
S123
IS A "GET" VALUE STORED IN THE DATA SECTION OF THE COMMUNICATIONS CONTENT?
YES
MAKES AN INFORMATION REQUEST FOR DESTINATION ADDRESS MODIFICATION TO THE DESTINATION ADDRESS MODIFICATION UNIT
S122
NO
S124
GENERATES COMMUNICATIONS DATA WITH THE RELAY DEVICE AND THE DESTINATION ADDRESS AFTER MODIFICATION DESIGNATED AS THE SOURCE ADDRESS AND DESTINATION ADDRESS, RESPECTIVELY, STORES THE DESTINATION ADDRESS BEFORE MODIFICATION AS DATA AND TRANSMITS THE GENERATED DATA ABOUT DESTINATION ADDRESS TO THE DATA TRANSMITTING UNIT
S125
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START

FIG. 34

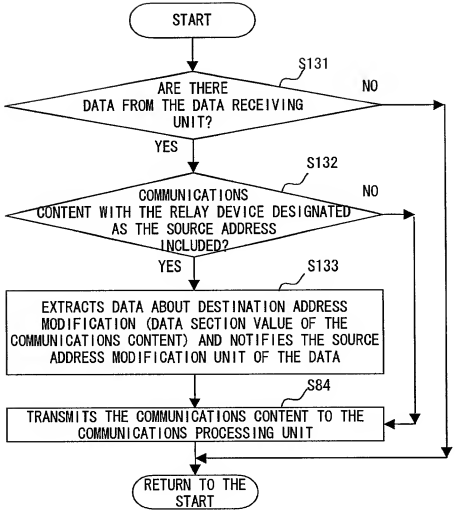
START
S131
ARE THERE DATA FROM THE DATA RECEIVING UNIT?
NO
YES
S132
COMMUNICATIONS CONTENT WITH THE RELAY DEVICE DESIGNATED AS THE SOURCE ADDRESS INCLUDED?
NO
YES
S133
EXTRACTS DATA ABOUT DESTINATION ADDRESS MODIFICATION (DATA SECTION VALUE OF THE COMMUNICATIONS CONTENT) AND NOTIFIES THE SOURCE ADDRESS MODIFICATION UNIT OF THE DATA
S84
TRANSMITS THE COMMUNICATIONS CONTENT TO THE COMMUNICATIONS PROCESSING UNIT
RETURN TO THE START

FIG. 35

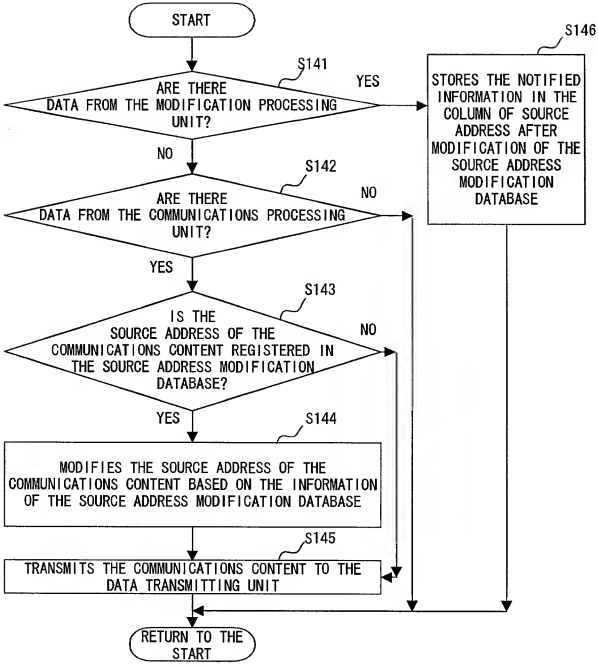
START
S141
ARE THERE DATA FROM THE MODIFICATION PROCESSING UNIT?
YES
NO
S142
ARE THERE DATA FROM THE COMMUNICATIONS PROCESSING UNIT?
NO
YES
S143
IS THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT REGISTERED IN THE SOURCE ADDRESS MODIFICATION DATABASE?
NO
YES
S144
MODIFIES THE SOURCE ADDRESS OF THE COMMUNICATIONS CONTENT BASED ON THE INFORMATION OF THE SOURCE ADDRESS MODIFICATION DATABASE
S145
TRANSMITS THE COMMUNICATIONS CONTENT TO THE DATA TRANSMITTING UNIT
RETURN TO THE START
S146
STORES THE NOTIFIED INFORMATION IN THE COLUMN OF SOURCE ADDRESS AFTER MODIFICATION OF THE SOURCE ADDRESS MODIFICATION DATABASE

FIG. 36

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
D	B	80	100	GET

FIG. 37A

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
B	D	80	100	A

FIG. 37B

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
A	C	80	100	ANYTHING

FIG. 37C

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
B	C	80	100	ANYTHING

FIG. 38A

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	B	100	80	ANYTHING

FIG. 38B

DESTINATION IP ADDRESS	SOURCE IP ADDRESS	DESTINATION PORT NUMBER	SOURCE PORT NUMBER	DATA
C	A	100	80	ANYTHING

FIG. 38C

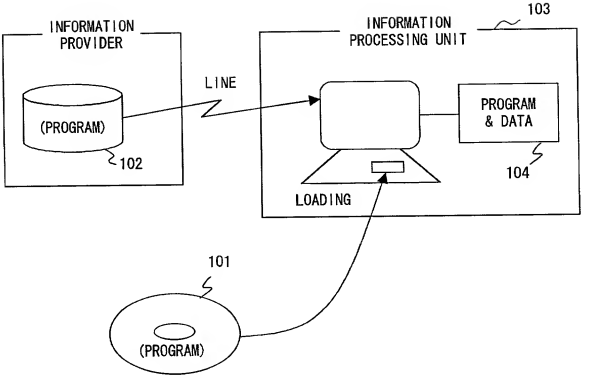
INFORMATION PROVIDER
(PROGRAM)
102
LINE
INFORMATION PROCESSING UNIT
103
PROGRAM & DATA
104
LOADING
101
(PROGRAM)

FIG. 39